

*A presentation to the  
SRS Citizens Advisory Board  
Facilities Disposition & Site Remediation Committee*

# **Federal Facility Agreement Appendix E**

**Presentation By**

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# Purpose

- **Provide an update on the Federal Facility Agreement (FFA) cleanup milestones, which are updated and approved annually**

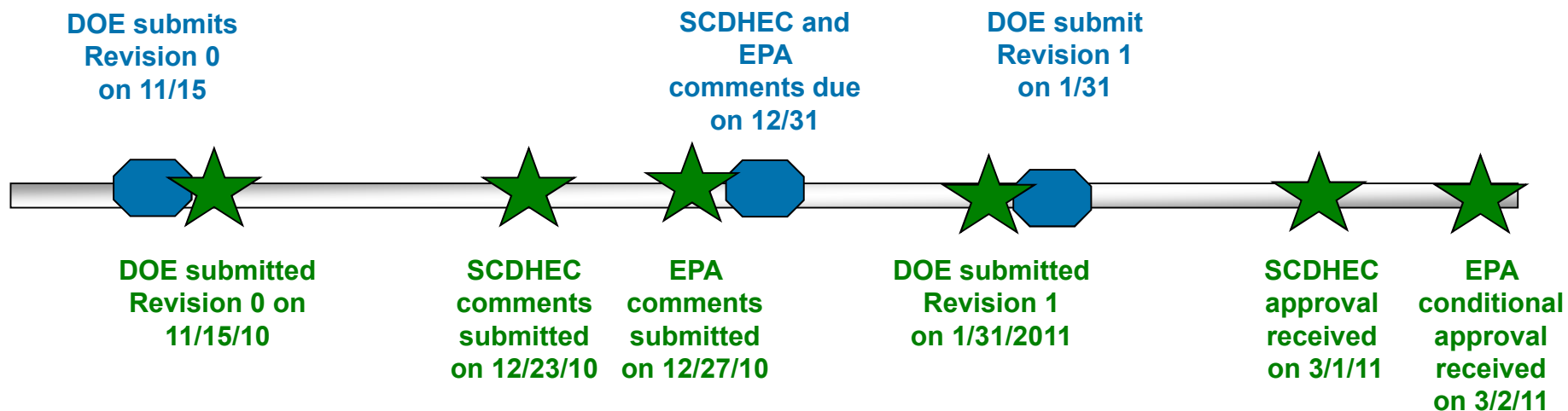
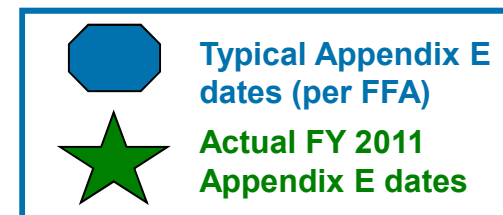
# Federal Facility Agreement

- ***Established August 1993***
  - A legally binding agreement among DOE, EPA, and SCDHEC governing the comprehensive cleanup of releases (or potential releases) of hazardous substances at SRS
  - Includes administrative requirements, enforceable schedules, and milestones for actions and documents
  - Includes Removal from Service of some Liquid Waste tanks
  - Spells out authorities and responsibilities of agencies and procedures for resolving disputes

## FFA Appendix E

- **Provides a lifecycle list of cleanup milestones for SRS Operable Units (OUs) listed in Appendix C**
  - Made up of Appendices E.1, E.2, and E.3
    - Appendix E.1 contains Enforceable Milestones for the next Fiscal Year (FY+1)
    - Appendix E.2 contains Enforceable Milestones for FY+2
    - Appendix E.3 contains Planning Milestones for FY+3 and beyond
- **DOE updates Appendix E annually and submits for review to SCDHEC and EPA in November**
- **Developing the annual update starts with current approved milestones, with adjustments to reflect:**
  - Site mission schedules and Area Completion Projects (ACP) implementation schedules
  - Regulator-approved schedule changes

## FFA Appendix E Schedule



## FY 2011 Appendix E and Recovery Act

- DOE, EPA, and SCDHEC have agreed that Appendix E will generally show the “baseline” commitments—the commitments that were established prior to Recovery Act
- Recovery Act will accelerate, or has accelerated, completion of some of them
- No significant changes (from last year’s) will result to this Appendix E from the Recovery Act

# FY 2011 Appendix E and Recovery Act (continued)

- Cleanup of some OUs will occur through early remedial and/or removal actions
  - C-, K-, and L-Reactor Complexes (early action)
  - D Area Operable Unit subunits (removal actions)
  - Early Construction and Operational Disposal Site (ECODS) B-3 and B-5 (removal action)
  - Heavy Water Components Test Reactor (HWCTR) (removal action)
  - Gunsite 012 Asphalt Floor Tile Piles (removal action)
  - P Area Operable Unit subunits (early and removal actions)
  - R Area Operable Unit subunits (early and removal actions)
  - C-Area Cask Car Railroad Tracks as Abandoned (removal action)
- **Removal** actions have documents (i.e., Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CAs) and Action Memoranda), but no enforceable milestones in the FFA
- Early **remedial** actions have enforceable milestones in the FFA

# Future Planned Removal Actions

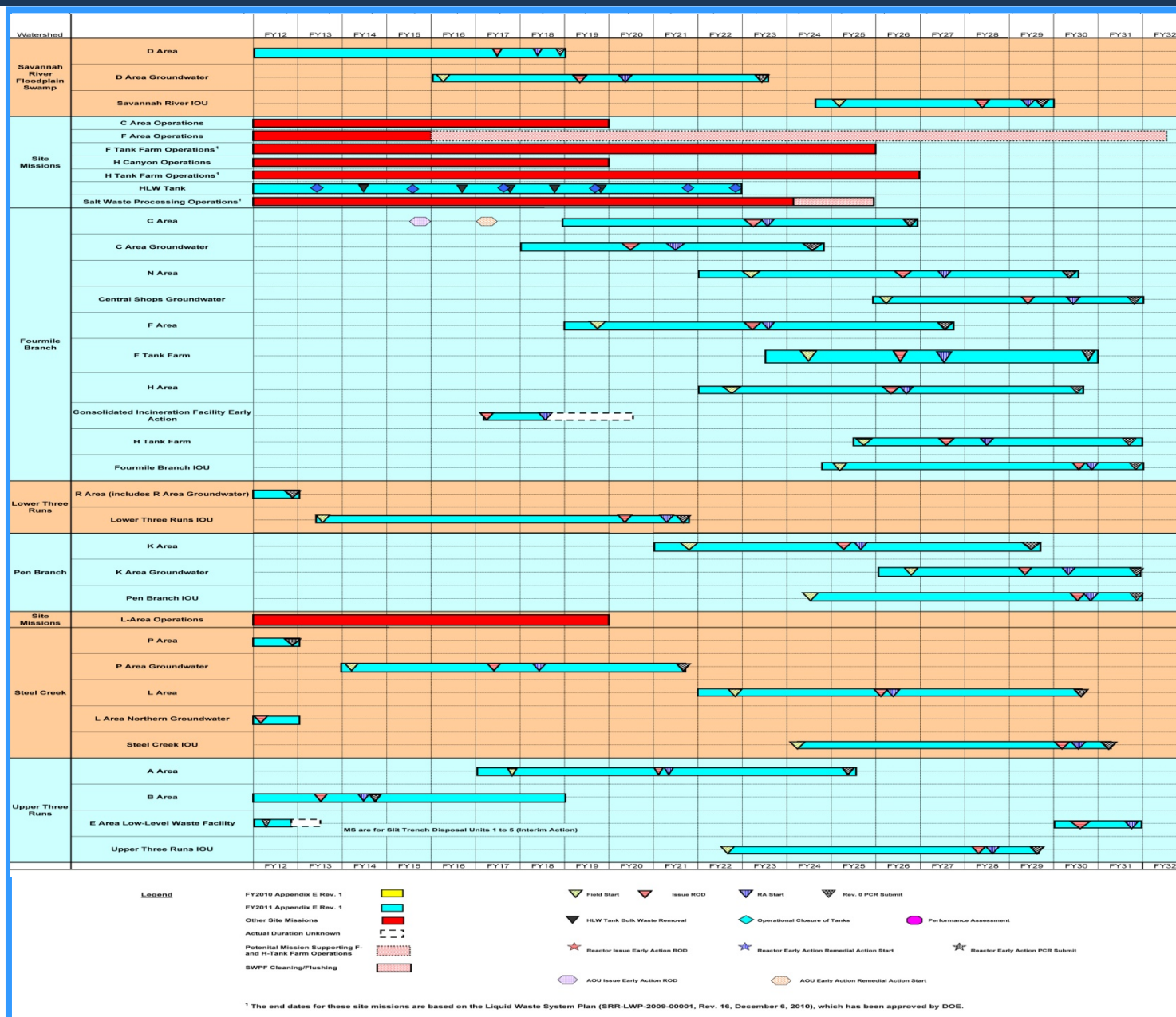
- **C-Area Reactor Disassembly Basin**
- **C-Area Process Sewer Lines as Abandoned**



## **FY 2011 FFA Appendix E - Major Changes**

- **Added milestones for the C-Area Operable Unit Early Action (FY13 – FY15)**
- **Created milestones for the Fourth Five-Year Remedy Review Report (FY13 – FY14)**
- **Created milestones for the Wetland Area at Dunbarton Bay (FY12 – FY14)**
- **Accelerated milestones for the A-Area Ash Pile (788-A), A-Area Coal Pile Runoff Basin (788-3A), and Stormwater Outfall A-013 (NBN) Operable Unit**
- **Adjusted Issue Record of Decision (ROD) and Remedial Action (RA) Start milestones for C-Area Operable Unit (out)**
  - **Historic Preservation status still to be determined**
  - **Continuing missions in C-Reactor Complex**
- **Adjusted the milestones for the Early Remedial Action for the Consolidated Incineration Facility (out)**
- **Deleted entries from Appendix E.3 where Site Evaluation Report submittals, Field Starts, RODs, and RA Starts were already completed**

# SRS Area Completion Plan



# Appendix E.1 (excerpt)

## Revision.1 Appendix E: Fiscal Year 2011 Long-Term Projections E.1: Deliverable Commitment Dates and Milestone Commitment Dates for FY 2012

| <b>Deliverable or Milestone:</b>   | <b>Milestone/<br/>Submittal Date<br/>(MM/DD/YYYY)</b> |
|--|---|
| Revision.0 Appendix C, RCRA/CERCLA Unit List, Appendix G, Site Evaluation Areas, and Appendix K, D&D Facilities for Fiscal Year 2012 Submittal                         | 10/01/2011  |
| SRS Unit Index Number(s): NA CERCLIS OU Number(s): NA  |   |
| Revision.0 Appendix H, RCRA Regulated Units for Fiscal Year 2012 Submittal   | 10/01/2011  |
| SRS Unit Index Number(s): NA CERCLIS OU Number(s): NA  |   |
| <b>L-Area Northern Groundwater (NBN) Operable Unit Issue Record of Decision (ROD)</b>  | 10/28/2011  |
| SRS Unit Index Number(s): 503 CERCLIS OU Number(s): 77   |   |
| Fourmile Branch Integrator Operable Unit (Including the Un-named Tributary of Fourmile Branch South of C Area [NBN]) Revision.0 Periodic Report #4 Submittal           | 10/30/2011  |
| SRS Unit Index Number(s): 504 CERCLIS OU Number(s): 84   |   |
| Revision.0 Appendix E for Fiscal Year 2012 (Commitments for Fiscal Years 2013 & 2014 and Projected ROD Issuance Dates for Fiscal Year 2015+) Submittal                 | 11/15/2011  |
| SRS Unit Index Number(s): NA CERCLIS OU Number(s): NA  |   |
| E-Area Low-Level Waste Disposal Facility, 643-26E (Slit Trench Disposal Units 1 - 5) Revision.0 Interim Post-Construction Report Submittal                             | 11/30/2011  |
| SRS Unit Index Number(s): 592 CERCLIS OU Number(s): 86   |   |
| Administrative Record File Indices Annual Update for Fiscal Year 2011 Submittal  | 12/01/2011  |
| SRS Unit Index Number(s): NA CERCLIS OU Number(s): NA  |   |
| FFA Annual Progress Report for Fiscal Year 2011 Submittal (Including annual certification of Institutional Control Units)  | 12/01/2011  |
| SRS Unit Index Number(s): NA CERCLIS OU Number(s): NA  |   |
| Removal Actions Performed in Fiscal Year 2011 Report Submittal   | 01/01/2012  |
| SRS Unit Index Number(s): NA CERCLIS OU Number(s): NA  |   |
| Lower Three Runs Integrator Operable Unit Revision.0 Periodic Report #4 Submittal  | 01/31/2012  |
| SRS Unit Index Number(s): 505 110 312 CERCLIS OU Number(s): 35   |   |
| ECODS B-3 (East of B Area, South of Road C) (NBN) and ECODS B-5 (NBN) Revision.0 Statement of Basis/Proposed Plan (SB/PP) Submittal in Support of B Area Operable Unit | 02/28/2012  |
| SRS Unit Index Number(s): 528 530 CERCLIS OU Number(s): 48   |   |
| Building 770-U, Heavy Water Components Test Reactor (HWCTR), Revision.0 Statement of Basis/Proposed Plan (SB/PP) Submittal in Support of B Area Operable Unit          | 02/28/2012  |
| SRS Unit Index Number(s): 2003 CERCLIS OU Number(s): 48  |   |



**Revision.1 Appendix E: Fiscal Year 2011 Long-Term Projections  
E.2: Deliverable Commitment Dates and Milestone Commitment Dates for FY 2013**

| <b>Deliverable or Milestone:</b>   | <b>Milestone/<br/>Submittal Date<br/>(MM/DD/YYYY)</b> |
|--|---|
| Revision.0 Appendix C, RCRA/CERCLA Unit List, Appendix G, Site Evaluation Areas, and Appendix K, D&D Facilities for Fiscal Year 2013 Submittal                     | 10/01/2012  |
| SRS Unit Index Number(s): NA   | CERCLIS OU Number(s): NA                              |
| Revision.0 Appendix H, RCRA Regulated Units for Fiscal Year 2013 Submittal   | 10/01/2012  |
| SRS Unit Index Number(s): NA   | CERCLIS OU Number(s): NA                              |
| Building 770-U, Heavy Water Components Test Reactor (HWCTR), Revision.0 Record of Decision (ROD) Submittal in Support of B Area Operable Unit                      | 10/10/2012  |
| SRS Unit Index Number(s): 2003   | CERCLIS OU Number(s): 48                              |
| ECODS B-3 (East of B-Area, South of Road C) (NBN) and ECODS B-5 (NBN) Revision.0 Record of Decision (ROD) Submittal in Support of B Area Operable Unit             | 10/10/2012  |
| SRS Unit Index Number(s): 528 530  | CERCLIS OU Number(s): 48                              |
| Revision.0 Appendix E for Fiscal Year 2013 (Commitments for Fiscal Years 2014 & 2015 and Projected ROD Issuance Dates for Fiscal Year 2016+) Submittal             | 11/15/2012  |
| SRS Unit Index Number(s): NA   | CERCLIS OU Number(s): NA                              |
| Revision.0 Fourth Five-Year Remedy Review Report Submittal   | 11/20/2012  |
| SRS Unit Index Number(s): NA   | CERCLIS OU Number(s): NA                              |
| <b>Fourmile Branch Integrator Operable Unit (Including the Un-named Tributary of Fourmile Branch [NBN]) Fourth Phase II Field Start</b>                            | 11/30/2012  |
| SRS Unit Index Number(s): 504  | CERCLIS OU Number(s): 84                              |
| Administrative Record File Indices Annual Update for Fiscal Year 2012 Submittal  | 12/01/2012  |
| SRS Unit Index Number(s): NA   | CERCLIS OU Number(s): NA                              |
| FFA Annual Progress Report for Fiscal Year 2012 Submittal (Including annual certification of Institutional Control Units)  | 12/01/2012  |
| SRS Unit Index Number(s): NA   | CERCLIS OU Number(s): NA                              |
| Complete Operational Closure of Tanks 19 and 18  | 12/31/2012  |
| SRS Unit Index Number(s): NA   | CERCLIS OU Number(s): 23                              |
| Removal Actions Performed in Fiscal Year 2012 Report Submittal   | 01/01/2013  |
| SRS Unit Index Number(s): NA   | CERCLIS OU Number(s): NA                              |
| A-Area Ash Pile (788-0A), A-Area Coal Pile Runoff Basin (788-3A), and Stormwater Outfall A-013 (NBN) Operable Unit Revision.0 Record of Decision (ROD) Submittal   | 01/04/2013  |
| SRS Unit Index Number(s): 236 47 483   | CERCLIS OU Number(s): 62                              |
| TNX Area Operable Unit Revision.0 Second Explanation of Significant Differences (ESD) for the Revision.0 TNX Area Operable Unit Record of Decision (ROD) Submittal | 01/31/2013  |
| SRS Unit Index Number(s): 104 106 139 127 25   | CERCLIS OU Number(s): 21 29                           |

## Appendix E.2 (excerpt)

# Appendix E.3 (excerpt)

**Revision 1 Appendix E: Fiscal Year 2011 Long-Term Projections  
E.3: Field Start, ROD Issuance and RA Start Dates (including Fiscal Year 2014+)  
Sorted in order of Watershed, Category, and Unit Name**

**Watershed**

**Category (Integrator Operable Unit, Units and D&D Facilities (or Remnants)  
Assigned to an Area Operable Unit, RCRA/CERCLA Units or FFA Facility Closures,  
or Site Evaluation Areas)**

**Area Operable Unit or Integrator Operable Unit Name  
Unit Name**

**Site  
Evaluation  
Report  
Submittal  
Date  
or  
Field Start**

**ROD  
Issuance**

**RA Start  
or  
Tank Dates**

**Fourmile Branch Watershed**

**High Level Radioactive Waste Tanks**

|  |  |          |
|--|--|----------|
| Complete Bulk Waste Removal Efforts for Two (2) Tanks<br>SRS Index Number(s): NA<br>CERCLIS OU Number(s): 23 or 89   |  | SEP 2014 |
| Complete Bulk Waste Removal Efforts for Two (2) Tanks<br>SRS Index Number(s): NA<br>CERCLIS OU Number(s): 23 or 89   |  | SEP 2016 |
| Complete Bulk Waste Removal Efforts for Three (3) Tanks<br>SRS Index Number(s): NA<br>CERCLIS OU Number(s): 23 or 89 |  | SEP 2017 |
| Complete Bulk Waste Removal Efforts for Six (6) Tanks<br>SRS Index Number(s): NA<br>CERCLIS OU Number(s): 23 or 89   |  | SEP 2018 |
| Complete Bulk Waste Removal Efforts for One (1) Tank<br>SRS Index Number(s): NA<br>CERCLIS OU Number(s): 23 or 89    |  | SEP 2019 |
| Complete Operational Closure of Four (4) Tanks<br>SRS Index Number(s): NA<br>CERCLIS OU Number(s): 23 or 89          |  | SEP 2015 |
| Complete Operational Closure of Two (2) Tanks<br>SRS Index Number(s): NA<br>CERCLIS OU Number(s): 23 or 89           |  | SEP 2017 |
| Complete Operational Closure of Two (2) Tanks<br>SRS Index Number(s): NA<br>CERCLIS OU Number(s): 23 or 89           |  | SEP 2019 |
| Complete Operational Closure of Five (5) Tanks<br>SRS Index Number(s): NA<br>CERCLIS OU Number(s): 23 or 89          |  | SEP 2021 |
| Complete Operational Closure of Seven (7) Tanks<br>SRS Index Number(s): NA   |  | SEP 2022 |

## Summary

**THE FY 2011 FFA APPENDIX E IS AVAILABLE ONLINE AT:**

**<http://www.srs.gov/general/programs/soil/ffa/ffa.html>**

- **Accesses the Savannah River Site Area Completion Projects Federal Facility Agreement and supporting documentation pages**
- **Click on Federal Facility Agreement for the pdf version of the document**

**<http://www.srs.gov/general/programs/soil/ffa/ffa.pdf>**

- **Accesses the pdf version of the Federal Facility Agreement**

**THE RECOVERY ACT INFORMATION IS AVAILABLE ONLINE AT:**

**[www.srs.gov/recovery](http://www.srs.gov/recovery)**

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# Questions and Answers

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